

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM  
(Deemed to be University)**

**B.Sc. (NEUROSCIENCE TECHNOLOGY) DEGREE EXAMINATION  
September 2021  
Third Year**

**APPLIED TECHNOLOGY – III – APPLIED EEG (HOLDER)  
RECORDING**

Time: Three hours

Maximum: 75 marks

I. Write an Essay on any **ONE** of the following: (1 x 20 = 20)

1. Explain detail about normal EEG variants, preparation of patient and EEG monitoring.
2. Explain the stages of sleep cycle and describe EEG changes in various stage of sleep.

II. Write short notes on any **TWO** of the following: (2 x 10 = 20)

3. Write about ECT
4. Write about electrocorticography.
5. Write about EEG changes due to drugs.
6. Write about eye movement artifacts and EKG artifacts in EEG.

III. Write short answers on any **SEVEN** of the following: (7 x 5 = 35)

7. Write about EEG finding in myoclonic epilepsy.
8. Write a note on PLEDS.
9. Write a note on brain mapping.
10. Write a note on hypsarrhythmia.
11. Write a note on beta rhythm.
12. Write a note on Polysomnography.
13. Write a note on EEG change in partial epilepsies.
14. Write about note on quantitative EEG analysis.
15. Write a note on triphasic waves in EEG
16. Write a short note on vertex sharp waves.